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(54) **Ozone water production apparatus**

(57) Provided is an ozone water production apparatus capable of easily continuously obtaining ozone water having a high concentration by a water electrolytic process using a noble metal electrode which has been considered to have a low ozone generation efficiency without using a lead compound. An ozone water production apparatus in which an anode electrode and a cathode electrode to which a DC voltage is applied are put upon one surface and the other surface, respectively, of a solid electrolytic film, and water supplied to the anode electrode side is subjected to electrolysis to obtain ozone water, wherein a wire net made of noble metal having an ozone generation catalyst function is used as the anode electrode, and a lath net made of corrosion resistant metal is put upon the outer surface side of the anode electrode, the anode electrode and the lath net being sealed into a jacket having a water inlet on one end and an ozone water outlet on the other end thereof.

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# EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 061 (C-567), 10 February 1989 & JP-A-63 250480 (N V SHIJI:KK), 18 October 1988, * abstract; figure *	1,14	C02F1/78 C25B1/00
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Y	DE-A-42 27 732 (FISCHER LABOR UND VERFAHRENSTE) 24 February 1994 * the whole document *	17	
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A	PATENT ABSTRACTS OF JAPAN vol. 018, no. 658 (E-1643), 13 December 1994 & JP-A-06 260181 (MITSUBISHI HEAVY IND LTD), 16 September 1994, * abstract *	2-4,15	
A	WO-A-93 24677 (UNITED TECHNOLOGIES CORP) 9 December 1993 * page 1, line 8 - page 2, line 21 * * page 5, line 3 - line 13 * * figures 1,2 *	3,6,8	TECHNICAL FIELDS SEARCHED (Int.Cl.6) C25B C02F
A	US-A-5 205 994 (SAWAMOTO ET AL) 27 April 1993 * the whole document *	9,10,12,13	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 December 1996	Examiner Ruppert, G
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons @ : member of the same patent family, corresponding document</p>			

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